

## DEVICE FOR DISCRIMINATING KIND OF GLASS

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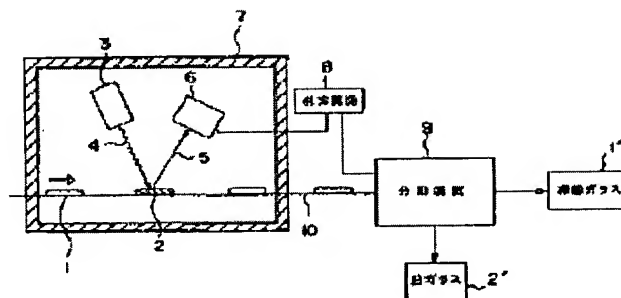
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### Abstract of JP11051884

**PROBLEM TO BE SOLVED:** To provide a device for discriminating kind of glass capable of discriminating the discrimination of kind of glass of a glass piece produced by breakage of a Braun tube at a high speed nondestructively and on-line. **SOLUTION:** A glass kind device for discrimination kind of glass of glass pieces 1, 2 produced by breakage of a Braun tube is provided with a radiation source 3 irradiating the glass pieces 1, 2 with an X-ray 4 or  $\gamma$  ray, a characteristic wavelength optical detector 6 detecting the characteristic wavelength light 5 of element characteristics secondarily generating from the constituent element of the glass pieces 1, 2 by nuclear reaction of the irradiated X-ray 4 or  $\gamma$  ray and a judging circuit 8 discriminating the kind of glass of the glass pieces 1, 2 broken by a signal from the specific wavelength optical detector 6, preferably a conveyor transporting the glass pieces 1, 2. The glass pieces 1, 2 are irradiated with the X-ray or  $\gamma$  ray on the conveyor line, and the kind of glass of the broken glass pieces 1, 2 is discriminated.



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